

Title (en)

USE OF AN APPARATUS FOR TRANSPORTING FUELS IN A GASIFICATION REACTOR

Title (de)

VERWENDUNG EINER VORRICHTUNG ZUR FÖRDERUNG VON BRENNSTOFFEN IN EINEN VERGASUNGSREAKTOR

Title (fr)

UTILISATION D'UN DISPOSITIF DE TRANSPORT DE COMBUSTIBLES DANS UN RÉACTEUR DE GAZÉIFICATION

Publication

EP 2738239 B1 20180905 (DE)

Application

EP 12450051 A 20121129

Priority

EP 12450051 A 20121129

Abstract (en)

[origin: EP2738239A1] The device comprises a bulk material container (21) that comprises a conveyor tube (3) which is provided on a discharge opening and a lateral supply opening (12) of a gasification reactor (1). A mechanical conveying apparatus (4) is arranged in the conveyor tube. The conveying apparatus comprises a hydraulically driven plunger (10) which is displaceably guided in the conveying direction of one cylindrical axial portion (19) of the conveying tube, and a compression cone (11) in the conveying direction of other axial portion (20) of the conveying tube for continuously decreasing the fuel. An independent claim is included for a gasification reactor.

IPC 8 full level

C10J 3/30 (2006.01); **B65G 25/08** (2006.01); **F23K 3/12** (2006.01)

CPC (source: EP US)

B65G 25/08 (2013.01 - US); **C10J 3/30** (2013.01 - EP US); **F23K 3/12** (2013.01 - EP US); **B65G 53/08** (2013.01 - EP US); **C10J 2200/154** (2013.01 - EP US); **C10J 2200/156** (2013.01 - US); **F23G 2205/10** (2013.01 - EP US)

Citation (examination)

GB 2317141 A 19980318 - HAMILTON ROBIN [GB]

Cited by

CN104140850A; CN104140849A; WO2018073328A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2738239 A1 20140604; **EP 2738239 B1 20180905**; BR 112015011780 A2 20170711; BR 112015011780 B1 20210202; CN 104968767 A 20151007; CN 104968767 B 20180619; DK 2738239 T3 20181119; ES 2700931 T3 20190220; HR P20181612 T1 20181214; HU E042135 T2 20190628; JP 2016504438 A 20160212; JP 6244368 B2 20171206; KR 101989002 B1 20190613; KR 20150088885 A 20150803; MY 194259 A 20221125; PH 12015501171 A1 20150810; PH 12015501171 B1 20150810; PL 2738239 T3 20190228; PT 2738239 T 20181214; RS 58001 B1 20190228; SI 2738239 T1 20181130; TR 201816412 T4 20181121; US 10696912 B2 20200630; US 2015299587 A1 20151022; US 2019016979 A1 20190117; WO 2014083417 A1 20140605; ZA 201503599 B 20160428

DOCDB simple family (application)

EP 12450051 A 20121129; BR 112015011780 A 20131129; CN 201380062548 A 20131129; DK 12450051 T 20121129; ES 12450051 T 20121129; HR P20181612 T 20181005; HU E12450051 A 20121129; IB 2013002678 W 20131129; JP 2015544552 A 20131129; KR 20157017144 A 20131129; MY PI2015701328 A 20131129; PH 12015501171 A 20150526; PL 12450051 T 20121129; PT 12450051 T 20121129; RS P20181399 A 20121129; SI 201231384 T 20121129; TR 201816412 T 20121129; US 201314647704 A 20131129; US 201816135313 A 20180919; ZA 201503599 A 20150521